

Serial No.: 08/889,440

Docket No.: 21.1837/HBW

IN THE CLAIMS

Please AMEND the claims as follows:

2. (ONCE AMENDED) An apparatus as in claim 1, wherein the combined particle is formed of substrate particles and adsorbate particles [, each said individual particle being an adsorbate particle].

6. (ONCE AMENDED) An apparatus as in claim 1, wherein each individual particle is formed of smaller particles;
the information set by the kinetic condition setting unit includes information indicating whether the smaller particles of a respective individual particle are [fixed] static against a center of mass of the individual particle; and
when the particle motion computing unit generates an individual particle and the information set by the kinetic condition setting unit indicates that the smaller particles of the respective individual particle are not [fixed] static against the center of mass, the particle motion computing unit provides a random orientation to the smaller particles of the individual particle.

8. (ONCE AMENDED) An apparatus as in claim 1, wherein each individual particle is formed of smaller particles;
the information set by the kinetic condition setting unit includes information indicating whether the smaller particles of a respective individual particle are [fixed] static against a center of mass of the individual particle; and
when the particle motion computing unit generates an individual particle and the information set by the kinetic condition setting unit indicates that the smaller particles of the respective individual particle are not [fixed] static against the center of mass, the particle

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motion computing unit provides an initial velocity to the smaller particles of the individual particle.

Q3
9. (ONCE AMENDED) An apparatus as in claim 1, wherein, when generating an individual particle, the particle motion computing unit provides a random direction within a cone pointed at the substrate and being centered at a point of generation of center of mass velocity of the individual particle.

Q4
29. (ONCE AMENDED) An apparatus as in claim 24, wherein each adsorbate particle includes a plurality of smaller particles; the information set by the kinetic condition setting unit includes information indicating whether the smaller particles of a respective adsorbate particle are [fixed] static against a center of mass of the adsorbate particle; and when the particle motion computing unit generates an adsorbate particle and the information set by the kinetic condition setting unit indicates that the smaller particles of the respective adsorbate particle are not [fixed] static against the center of mass, the particle motion computing unit provides a random orientation to the smaller particles of the adsorbate particle.

Q5
31. (ONCE AMENDED) An apparatus as in claim 24, wherein, when generating an adsorbate particle, the particle motion computing unit provides a random direction within a cone pointed at the substrate and being centered at a point of generation of center of mass velocity of the adsorbate particle.